

- 1.0 **POLICY:** Any installed suspect/counterfeit item (S/CI) is to be evaluated by both engineering & safety personnel to determine the potential impact of item failure on the environment, safety and health (ES&H) of workers and the public. Based on the evaluation appropriate action will be taken. Items determined to have an adverse impact on ES&H **shall** be replaced at the earliest possible opportunity.

REPORTING: All S/C items found must be reported in the "Occurrence Reporting System". (Contact your local Quality and Safety Representative for details.)

S/C Item Identification Replacement: Suspect items left in place are to be identified (painted, marked, documented, etc.) so they can be identified in the future. These items should be replaced at the next maintenance cycle to avoid item migration. Removal of S/CI from Critical Systems/Components should be the first order of priority.

Critical Systems/Components: Those systems or components whose failure would have an adverse impact on ES&H are considered to be "Critical" (see 5.0). S/CI(s) left in place in critical systems/components **MUST** be justified in writing below, reviewed and signed by senior management (e.g. Dept./Div. Head).

- ES&H Impact - S/CI(s) found whose failure could have an adverse impact on ES&H of workers or the public (see 5.0) **MUST** be removed at the earliest possible opportunity. If appropriate, systems should be "locked out/tagged out".
- Programmatic Impact - S/C Items found in critical systems, components or structures whose failure could pose **ONLY** a programmatic impact (e.g. Non ES&H, see 5.0) may be left in place (see Section 6.0).

Non Critical Systems/Components: S/C Item(s) found in **non** critical systems or components may be removed or left in place at the discretion of Dept./Div. management. Justification for this action need only be reviewed and signed by engineering and safety personnel.

- 2.0 **SUMMARY EVALUATION & CORRECTIVE ACTION:** This section to be completed last.

Sys./Comp w. S/CI: ☐ Critical ☐ Non-Critical; ES&H Impact ☐ Y ☐ N; Program Impact ☐ Y ☐ N;
S/CI Removed ☐ Y ☐ N; (Justification required for items left in place, see 6.0)
Planned S/CI Removal: @ Next Maintenance/Repair ☐ Y ☐ N; @ Facility Decommission ☐ Y ☐ N
Target S/CI Removal Date: _____; Actual Removal Date _____

- 3.0 **S/CI ITEM LOCATION INFORMATION:**

LOCATION: Bldg. _____, Parent Facility _____, (NSLS, AGS, HFBR, BMRR, RD, ETC.)
Location in Bldg./facility: _____

TYPE: ☐ Grade 5 Bolt Qty. _____ ☐ Grade 8 Bolt Qty. _____
☐ Piping Component _____ Qty. _____ ☐ Electrical Component _____ Qty. _____
☐ Other _____

DESCRIPTION: S/CI manufacturer & Mod. #, headmarking, etc. _____

SYSTEM DESCRIPTION: System Name ID _____
☐ structural ☐ vacuum ☐ electric ☐ Fluid; Pressure _____ psi. Temp. _____ F/C ☐ other _____
System Contents - ☐ gas _____ ☐ water ☐ steam ☐ other _____

- 4.0 **SUSPECT/COUNTERFEIT ITEM REPLACEMENT WITHOUT ES&H IMPACT EVALUATION**
Item(s) were replaced without completing evaluation section ☐ Yes-Go to 7.0 ☐ No

5.0 EVALUATION OF ES&H IMPACT DUE TO FAILURE OF S/C ITEM:

The following section to be completed jointly by engineering and safety personnel. A "Yes" entry on any of the following criteria identifies the system or component as "**Critical**", ie. its' failure would have adverse impact on ES&H. All "No's" identifies the system or component as "**Non-Critical**". Installed S/C Items may be evaluated on a "systems" basis, i.e., water system, vacuum system, etc.

5.1 Does the system, structure or component containing the S/CI meet the BNL QA Manual classification A1 or A2? (Coordinate with your local Quality Rep for additional guidance). ☐ Yes ☐ No

5.2 Based on ES&H Standard 1.3.3 Hazard Severity Category I, II or III criteria, would failure of the S/CI result in :

a) More than 4 days programmatic downtime;	<input type="checkbox"/> Yes	<input type="checkbox"/> No
b) A dollar loss of more than \$50,000;	<input type="checkbox"/> Yes	<input type="checkbox"/> No
c) Any injury or illness to workers or general public;	<input type="checkbox"/> Yes	<input type="checkbox"/> No
d) Radiation/chemical releases exceeding the limits shown in Hazard Severity Category III.	<input type="checkbox"/> Yes	<input type="checkbox"/> No

5.3 Are the suspect items/materials located in:

a) The load bearing path of the crane, hoist, or elevator;	<input type="checkbox"/> Yes	<input type="checkbox"/> No
b) Vehicle (including material handling equipment, i.e forklifts) engines, or components used to attach brakes, or steering mechanisms.	<input type="checkbox"/> Yes	<input type="checkbox"/> No

6.0 SUSPECT ITEMS LEFT IN PLACE

The following justification must be provided for Suspect Items left in place. Appropriate supporting documentation (eg. engineering calculations, pictures, drawings, memos, etc.) to be attached.

*NOTE: The following signatures required:

- a) **Critical** Systems/Components signatures for 1, 2, & 3
- b) **Non Critical** Systems/Components signatures for 1 & 2

Location: _____ Id. Method: _____ Qty: _____
Justification: _____

*1) Engineering Review (sign/print) _____ date _____
*2) ESH Coordinator (sign/print) _____ date _____
*3) Dept./Div. Head (sign/print) _____ date _____

7.0 S/CI DISPOSAL: Item removal shall be coordinated with area Supervisor, Quality and Safety Representative. Removed items are to be segregated and held by the Quality or Safety Representative pending disposal. Quality Management Office should also be contacted.

Removed Suspect item given to _____
Signed _____ date _____
Title _____ Organization _____